

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/009888

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J35/00 B01J23/42 B01J37/03 C01G23/00 C01G23/053

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J C01G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KENNEDY J.C.III ET AL: "Photothermal Heterogeneous Oxidation of Ethanol over Pt/TiO ₂ " JOURNAL OF CATALYSIS, vol. 179, 1998, pages 375-389, XP002310211 the whole document	1,4-8, 10,16, 20,24-26
Y	----- EP 1 053 788 A (TOTO LTD) 22 November 2000 (2000-11-22) page 6, lines 31-41 page 14, line 57 - page 15, line 3 page 22, line 22 - page 23, line 1 -----	17-19; 21-23, 27,28
X	----- -/-	1,4-7, 10, 12-16, 24,29-36

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

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- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *&* document member of the same patent family

Date of the actual completion of the International search

10 December 2004

Date of mailing of the International search report

28/12/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2001/016264 A1 (NAKAMURA HIDENORI ET AL) 23 August 2001 (2001-08-23) the whole document -----	17-19, 21-23, 27, 28
X	WO 00/04993 A (LIM SANG YOON ; PARK DAE CHUL (KR); KOREA RES INST CHEM TECH (KR)) 3 February 2000 (2000-02-03) page 5, line 19 – page 6, line 24 examples -----	1, 4-8, 10, 12, 16, 20-24
X	DE 199 62 055 A (IWT STIFTUNG INST FUER WERKSTO) 28 June 2001 (2001-06-28) the whole document -----	24-36
P, X	US 2004/121903 A1 (HAGIHARA HIROYUKI ET AL) 24 June 2004 (2004-06-24) the whole document -----	1, 4-8, 10, 12-36

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Information on patent family members

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